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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/510,252	10/05/2004	Pim Theo Tuyls	NL 020266	5105
24737 7590 02/08/2008 PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510			EXAMINER ARMOUCHE, HADI S	
			ART UNIT 2132	PAPER NUMBER
			MAIL DATE 02/08/2008	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/510,252

Applicant(s)

TUYLS ET AL.

Examiner

HADI S. ARMOUCHE

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 05 October 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10/5/2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application.
- 6) ☐ Other: \_\_\_\_\_

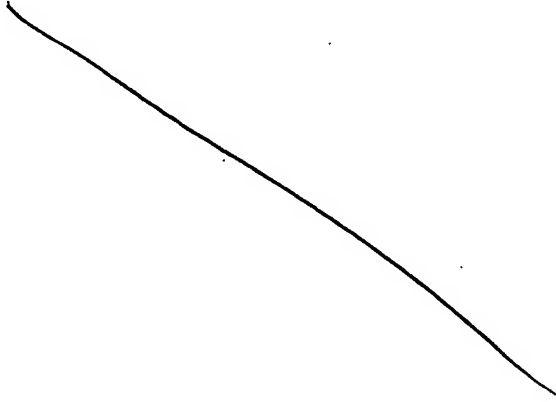
## **DETAILED ACTION**

### ***Specification***

1. Certain cross references to other related applications may be made. References to foreign applications or to applications identified by the attorney's docket number (specification page 2 line 30 and page 3 lines 2-3) should be replaced by the corresponding US application number. 37 CFR 1.71.

### ***Drawings***

2. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.



***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Johnson et al. (US 5,822,021) referred to hereinafter by Johnson.

5. Regarding claim 1, Jonson teaches *a device comprising receiving means for receiving a sequence of information units, a first display arranged for displaying the sequence of information units by activating cells in a first electro-optical layer in dependence on the sequence, a second display arranged for activating cells in a second electro-optical layer in dependence on elements in a key sequence, in which the first and second displays are arranged to be superimposed (align) on each other( col 5, lines 62-65) , and in which*

*one of the first and second displays comprises a light valve ( col 3, lines 5-7),*

*and the other of the first and second displays comprises one of: a transmissive display, an emissive display ( col 6, lines 2-5), a reflective display and a transflective display.*

6. Regarding claim 2, Johnson teaches *a device in which the other display comprises a combination of a light source and a liquid crystal display (abstract).*

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7. Regarding claim 3, Johnson teaches *a device further comprising a color filter superimposed on at least one of the first and the second display* ( col 5, lines 42-45).

***Claim Rejections - 35 USC § 103***

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Staring et al. (WO 03/060674) referred to hereinafter by Staring in view of Schrijen et al. (WO 03/067797) referred to hereinafter by Schrijen.

10. Regarding claim 1, Staring teaches *a device comprising receiving means for receiving a sequence of information units, a first display arranged for displaying the sequence of information units by activating cells in a first electro-optical layer in dependence on the sequence( client display 501), a second display arranged for activating cells in a second electro-optical layer in dependence on elements in a key sequence( decryption device 310), in which the first and second displays are arranged to be superimposed on each other( abstract) , and in which one of the first and second displays comprises a light valve* (page 6 lines 28-29.

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As it is known, LCD is an example of transmissive light valve),

However, Staring does not explicitly state that *the other of the first and second displays comprises one of: a transmissive display, an emissive display, a reflective display and a transflective display*. Schrijen teaches that *the other of the first and second displays comprises one of: a transmissive display, an emissive display, a reflective display and a transflective display* [page 7, lines 1-3].

Schrijen and Staring are analogous art because they are from the same field of endeavor of decrypting an image by imposing two displays [abstract of both application]. At the time of the invention, it would have been obvious to the ordinary skill in the art to use Schrijen display as Staring's second display. The suggestion/motivation would have been to receive a pattern of data from a transmitting device [Staring, page 3, lines 6-12].

11. Regarding claim 2, Staring teaches *a device in which the other display comprises a combination of a light source and a liquid crystal display* [page 6 lines 28-29].

12. Regarding claim 3, Schrijen teaches *a device further comprising a color filter superimposed on at least one of the first and the second display* [ page 16, lines 27-30].

13. Regarding claim 4, Staring teaches *the device further comprising a touch-sensitive layer, using which input representing a set of coordinates can be received*

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*from a user [ page 11, lines 17-21] , and transmitting means for transmitting the received input to a server [abstract].*

14. Regarding claim 5, Staring teaches *the device in which the second display is embodied in a unit physically separable from the first display, and provided with a memory for storing the key sequence [page 4, lines 3-11].*

15. Regarding claim 6, Staring teaches *the device in which the unit further comprises a processor for generating a pseudo-random stream of bits in dependence on a portion of the key sequence [page 9, lines 4-7].*

However, Staring does not explicitly teach that *the second display being arranged for activating the cells in the second electro-optical layer in dependence on the stream of bits*. Schrijen teaches that *the second display being arranged for activating the cells in the second electro-optical layer in dependence on the stream of bits[ page 3, lines 5-10].*

16. Regarding claim 7, Schrijen teaches *the device further comprises a slot in which the unit can be inserted[ page 15, lines 27-33].*

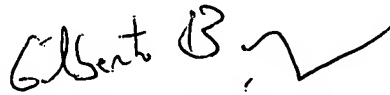
**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HADI S. ARMOUCHE whose telephone number is (571)270-3618. The examiner can normally be reached on M-Th 7:30-5:00 and Fridays half day.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (571) 272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Hadi S Armouche  
Examiner, Art Unit 2132  
/H. S. A./

  
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